by one of the two big concussions and whose clothes were torn from

The property loss is estimated at \$30,000,000. This is conjecture and can be nothing else until the innumerable private and public investigations already begun are completed.

Edmund L. Mackenzie, president of the National Docks and Storage Warehouse Company, thirteen of whose storehouses, including all of one brick building and more than half of another, were destroyed, says that the buildings and plant were worth \$7,000,000, covered by insurance. Part of the property destroyed with the warehouses was 30,000 tons of raw sugar, which melted into a thin brown stream under the touch of fire and water and was pourirg into the harbor and long the railroad tracks on the pier all day vesterday. It was valued at \$3,400,000.

There were also 24,000 bales of tobacco and a mass of cotton, borax and other stuff, mostly imports, valued at about \$1.,000,000 and insured by the merchants who owned it. Mr. Mackenzie said that the manufacturers of the war muritions, most of which had been shipped by the Bethlehem Steel Company and the Du Pont powder companies, no doubt carried their own insurance The storage terminals were leased by the Lehigh Valley Railroad.

### Severe Damage on Bedloe's Island.

Jersey City estimates her loss at \$100,000. The damage on Ellis Island is figured at \$60,000 and Bedloe's Island at \$100,000 to the Government's buildings and \$5,000 to the effects of officers and men of the Coast Artillery who guard the Statue of Liberty, Liberty herself was unscathed, although the lightnings played around her, and the quarters of the army port at her base were wrecked as to windows and ceilings.

There is no computing the money that will fall to the glazierslargely out of the pockets of glass insurance companies-by reason of the breakage of windows in Manhattan by the assaults of the tormented atmosphere. To this must be added a considerable sum for damage to walls and foundations, the inspection of which was hardly started yesterday. Some guessers put Manhattan's loss as high as \$1,000,000.

Already the Jersey City authorities are trying to place the blame for the disaster. Frank Hague, Director of Public Safety, said at the City Hall last night after a preliminary investigation that he would charge with manslaughter these three men: Albert M. Dickman, agent at Black Tom of the Lehigh road, whose tracks run from end to end of the pier as spurs of the main line. Theodore B. Johnson of the Johnson Lighterage and Towing Company, and Alexander B. Davidson, supany, and Alexander B. Davidson, su-perintendent of the pier for the Na-

"But pretty soon," says Capt. Ryan,
"We looked the other way and saw the

hold of a timber of some and the reached Bedice's Island, nearly a control the pier close to land. I wonder mile away, and that he was so dazed Railroad of New Jersey, the Lehigh Valonto the pier close to land. I wonder what became of those engineers and firemen. As I remember, the freight firemen. As I remember, the freight cars that they were trying to save were directly in front of the burning warehouse when the biggest bang of all came. They must have been killed, for became of my lighter."

mile away, and that he was so dazed that he straightway swam back toward ley. Philadelphia and Reading and the Baltimore and Ohlo hundreds of thousands of dollars worth of damage had been wrought by the concussion. There wasn't a car, either Pullman or otherwise, that had a whole window left. nebody could live so close to it.

## Other Versions of the Origin.

Ryan's version of the start of the fire about the same as that of the Lehigh Valley officials and of Capt. Charles utler of the barge O'Boyle Bros. Cutler was a mile away, at Claremont

and Ocean avenues, Jersey City, driving veral railroad policemen were

### Turns In a Box Alarm.

Refore the firemen arrived helping to separate the burning cars plosion No. 1 convinced him that the from the sound ones when the first of the two big explosions came. The time was 2:08 A. M., as attested by many clocks of good reputation, including the lunchtimepiece in the Jersey Central sta-

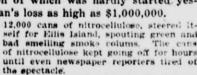
told me later that another man died in that same car. I don't know who it was. Ollie was all right and I was fairly so considering what had happened, but they had me up to the German Hospital for had me up to the German Hospital for There was a gash in Ducase Continued. and me up to the German Hospital for an hour, trying to restore my beauty.

Now I'm looking for my mate, but haven't found him yet."

And mere I am. There was a gash in Duess's forehead where he said a piece of shrappel had hit him. He had no clothes except his

## Shrapnel Braved by Tugs.

There were about fifteen lighters of the pier he didn't see a soul and moored about the pier. Some say that five of them caught fire, some say many barge which called him a fool.



### Second Explosion Greatest.

"we looked the other way and saw the skipper of one of the ammunition barges. His thigh appeared to be blown away, but he scrambled up and down the deck for a while and then worked himself overboard. Hurt as he was, he swam. He was making for Ellis Island the last we saw."

Ryan says the fire was burning on the last we have the stored and the torch and then the surface of the memorable picture the 500 dwellers in these craft.

Great Dredges Wrecked.

Several great dredges and steam shovels owned by the Taylor Dredging Company moored in the shallow breakwater to smother the goddess sullenly admitted its defeat and the torch and then the

the lighter where it started for more than half an hour before the first great explosion. Jersey City officials say that either the barge people or the warehouse and railroad crew tried for at least half an hour to snuff the blaze themselves before the still alarm came in.

"It was hell," Ryan went on. "I never thought anything could be so horrible. I was blown into the bay and nearly drowned, but finally I caught hold of a timber of some kind and kicked myself along until I could get.

Its defeat and the torch and then the derricks and steel arms were distorted and twisted like tissue paper.

A solid coupling from one of the freight cars was blown more than half a mile and fell on a track, breaking both the rails in two. For the distance of three-quarters of a mile hundreds of sightseers who managed to sip past the guards were busy picking up pleces of shell and shrapnel bullets. There was not a house or shanty within five miles of the scene of the explosion that did not have most of its windows broken.

## Impression of the Explosion.

talk. Some one asked him how the ex-"It went 'Zzzzzzump' like a Zen-

Then there was William Stieffe, captain of Lehigh Valley barge 65. Driven from his craft and home by heat, he led his wife and carried his two small boys over the decks of two other barges to the pier and left them under the eave of a building he thought was safe. He had to building he thought was safe. He had to both taken to the German Hospital in return to the barge for something he jersey City for treatment and then sent missed. When he got back to the spot where his family had been left the build-ing was in ruins. Stieffe nearly went insane before he found out that his wife Cutler made for a firebox and turned and his boy John were up in a house on Claremont avenue drinking hot coffee down the pier, he found a group of brake- and that the other boy. Harry, was in the City Hospital, but not much hurt.

Another barge captain, John Duess of at the pier, which is a long way from the the Lehigh's grain barge 112, was also rearest company, some of the moving listened to. He was asleep in his bunk freight cars began to burn. Cutler was surrounded by barley and oats when ex-

"The hatch was blown in on me." said. "The cabin fell flat as a paneak I was away out at the end of the pier.

"When I came to," says Cutler, "I was buried in a box car under a load of borax. My face, arms and neck were all cover powder marks. As I was crawling over powder marks. As I was crawling cided to take a chance on the pier. started running. I heard somebody o cut, who should I see but Ollie O'Donout, who should I see but Ollie O'Donout, who should I see but Ollie O'Bonout, who should I see but O'Bonout, who sh

race for life was that from end to end



In the Communipaw stockyare, about a mile and a half from the scene of the He told his story in the City Hospital.

A blistered face made it hard for him to talk. Some one asked him how the explosion felt.

Explosion, just out of the Central terminal in Jersey City, sheep waiting to be loaded in cattle cars were killed by the concussion. Several pens of Westthe concussion. Several pens of West-

John and Tony Welsh, bethers, trainmen on the Lehigh, were on the pier at the time of the first explosion. John had his eardrum broken and Tony was the force of the concussion. They were both taken to the German Hospital in

### Two Brakemen Are Missing. The police are looking for Thomas

The police are looking for Thomas
Butler and John Delaney, brakemen, who
were supposed to have been working at
the time of the explosion. They have
not been seen since and were placed on
the list of the missing.
Robert Taylor, son of the yardmaster,
was in the vicinity of the grain elevator
on Black Tom pier at the time of the first explosion. He was thrown violently to the ground and so badly bruised that e had to be taken to the hospital for

J. W. Robertson of Newark was automobiling with some friends in Jersey City at the time of the explosion. He drove to the scene at once, trying to give what assistance he could. When second explosion came he was thrown on his face, and while getting thrown on his face, and while getting to safety stumbled over a sixteen-year-old boy who was pinned beneath the wreckage of the warehouse. Directing the work of firemen, Robertson said the boy was removed to the hospital with both his legs crushed.

## Military Aid Proffered.

Acting under the instructions of Major Gen. Wood, Col. Horton of Governors island, quartermaster of the Department of the East, accompanied by Major Hart-man and other officers, took Gen. Wood's There were about and the pler were about more of the pler he didn't see a soul and of the pler he didn't see a soul and on the pler he didn't see a soul and other officers, took Gen. Wood's man and other officers, took Gen. Wood's man and other officers, took Gen. Wood's man and other officers, took Gen. Wood's had been on duty since the splosions.

Cars on Other Pier Burn.

There were about 100 freight cars of the leak Too poince, better of the country, where millions of dilars worth to be shattered store the country, where millions of dilars worth to diamonds and jewelp the country, where millions of dilars worth to diamonds and jewelp the country, where millions of dilars worth to be and the country, where millions of dilars worth to diamonds and jewelp the country, where millions of dilars worth to diamonds and jewelp the country, where millions of dilars worth to be and the country, where millions of dilars worth to be shot the country, where millions of dilars worth to be shot the country, where millions of dilars worth to be shot the country, where millions of dilars worth to be shot the country, where millions of dilars worth to be shot the country, where millions of dilars worth to be country, where millions of dimmonds and jewelp the country, where millions of dimmonds and jewelp the country, where mi

shells wrecked the piers. No. 2 pictures buildings that collapsed around the scene of the explo-

MOTO\_DY DETRICK'S

IN the above picture No. 1 shows how exploding ; sion. No. 3 shows the National Storage Company's plant after the flames had done their work.

Federal Government. Joseph Moran of the Moran Towing and Transportation Company said last night that three of his company's barges. Nos. 8, 20 and 64, which were loading

crowd of spectators finally became con-vinced of heir peril from the flying shrapnel. Three inch shells catapulted from the drifting barges skipped over the surface of the water in their direc-tion after the fashion of the flat pebbles which small boys love to scale over the water at the seashore.

## Dirt Cars Form a Barricade.

are," warned a policeman.

# Duty First With Nurses.

shrappel at Black Tom, had been destroyed, with a loss of \$60,000. The harbor police notified the Government that two barges with dynamite and other thospital supplies," was her reply.

Explosives aboard had sunk near Ellis Island and vere a menace to navigation.

The sead muse loosed inductions of the first of Mission of Our Lady of the Royary in State street has a since the direction indicated by the officer.

"We were gent to help take care of the first and the street has a since the first came a great rumbling, and hospital supplies," was her reply.

It was found, however, that there was no need for their services in the danger after the first crashing tumult, dust and haze floated in upon me. I thought the great glare immediately after the first explosion.

After the worst of the explosions had passed the chief danger was from the floating munition barges, which had cut their moorings at the explosive pier. They were a grave menace to water traffic and to the piers on both the Jersey and New York shores, but no tugboat dared to stay their progress. Officials and spectators on the shore stood with bated breath, oblivous to the danger from the falling missles, and watched the drifting masses of jagged. spurting flame. The tide averted serious disaster in the case of several of the boats. Two drifted against a spectrelike row of piles that rormed the within walking distance of the fire. Jit-wing flame was the chief of the explosions of the street shouting: "I saw the outline of a phantom ship lit up by fireworks. Coming down out of the darkness for five minutes afterward were big sparks. "They're stars coming down from heaven, so one brought most of the residents from their beds, and these gathered on street corners and gazed at the lurid sky toward the south. On Washington street there shattered store windows from Newark street to Fourteenth. Crowds besieged the cars of the Grove street line and any other line that would carry them within walking distance of the fire. Jit-wing flame. like row of piles that formed the skeleton of an unused breakwater or pier. Here they caught fast.

Out on the hook of filled in land the crowd of speciators inally became conportunity and took parties of sightseers of the city scurried out of doors in hasty

### Policemen in Khaki. Skyscrapers and lofts and every sort

of building in lower Manhattan stood with shattered windows and frames, like giants whose eyes had been poked out. Through the streets went 300 policemen in khaki uniforms, as if

from the police station.

But, to begin with the shock of the explosion as it struck the southern end of the island of Manhattan, Father Gro-The head nurse looked indifferently in gan of the little old Mission of Our Lady

> ington Square carrying their children with them and when half the population raiment to marvel at the glare to the

## Police Called From Camp.

policemen in khaki uniforms, as if of the disaster. At 5 A. M. the 300 pocity lay under martial law, and licemen at the training camp at Fort The crowd set about constructing a barricade and for this purpose made use of a string of dirt cars which had been run out on the single line of tracks extending almost to the end of the hook, where they were apparently being used for filling in work. The cars can be tilted to either side and in this position formed a fairly good protection against thousands of curious persons who wanted a view of the wreckage. They got it from nearly every building they passed, and at South Ferry a patrolman picked up a shrapnel shot the size of a cherry.

In other parts of lower Manhattan also pieces of shrapnel were picked up, but the damage done was almost wholly due to the concussions caused by the two from da fairly good protection against thousands of curious persons who wanted a view of the wreckage. They got it and landed by the police steamer learned the Battery. There they she assures the public his sympathies as militiamen on account of their military garb, reported to the Greenwich to the concussions caused by the two great explosions.

Maid and al landed by the police steamer learned that had been spread by the French press concerning Hughes's political tendencies. She assures the public his sympathies as militiamen on account of their military garb, reported to the Greenwich to the concussions caused by the two great explosions.

Many of those who had viewed the thousands of curious persons who wanted Wadsworth on Staten Island were called

valuables, food and clothing from thievery.

From Thirty-fourth street to the Battery the police tried to compile a list of buildings in which large piate glass windows had been shattered. As well try to find out how many leaves there are on the trees in Central Park, for almost every building south of the City Hall had broken windows, some large, some small, some on the ground floor and some way up close to the chimney pots.

Big skyscrapers like the Whitehall Building, at the juncture of Battery place and West street, had more than a hundred splintered windows, though the Woolworth bore only a few bruises far up its glossy sides: the Custom House had several windows on the north side splintered and no less than forty on the west side that caught the waves of the explosion, while one of the statues in front, that woman representing Africa, suffered a fractured leg. At least, there explosion, while one of the statues in front, that woman representing Africa, suffered a fractured leg. At least, there seemed to be a crack in it. The south side of the Custom House had its quota it is more than probable that a thorough of broken windows, and there were many buildings in that part of town with

broken windows on every side,
The big Equitable Building suffered, ing jurisdiction will be undertaken. and when crowds were passing beneath it later in the morning a belated fall of glass came down upon the roof of a passing surface car. Nobody was hurt, however.

### Singer Clock Stops at 2:31. The Bowling Green Building was hard

Standard Oil, the First National Bank, the Stock Exchange, the Stock Quotation Telegraph, the Maritime Exchange, Lord's Court, the Trinity—the building not the church; the church was untouched—the Lawyer's Title and Guarantee, the Corn Exchange, the Hanover National Bank, the National City Bank, the Mill Building the Lawyer's Title and Guarantee, the Corn Exchange, the Hanover National Bank, the National City Bank, the Mill Building the Lawyer's Title and Guarantee of the Commerce of the Stock the Mills Building, the United States Army Building, the Hudson Terminal, the Liberty tower, the Hudson-American, the New York Produce Exchange, a Childs restaurant in Beaver street with the big windows on all four floors gone, many wirelows, frames, and all in the many wirelows, frames, and all in the old Produce Exchange Building; William Barthman's jewelry store at 1 cumstances of the accident seem to indicate that there is nothing to bring it directly under its jurisdiction, the extensional Silver Company at 9-11-13 many wirdows, frames, and all in the International Silver Company at 3-11-13
Maiden lane, where a big display of cut
glass was smashed with the window, as
well as the wooden revolving entrance
door to the building, and hundreds of
others along that and nearby streets.

In Mailen lane, at 55, the York Safe
and Lock Company was exposed to any

In Maiden lane, at 55, the York Safe and Lock Company was exposed to any burgiar by the blast, but at 63, the building in which is situated the New York Plate Glass Insurance Company, not a window was harmed, and it is twelve stories high. Surveyors were out early from that company looking over their risks and endeavoring to estimate the damage.

"There has been nothing in our experience like this," said Surveyor J. A. Hume, as he hurried from building to building carrying a packet of cards listing the company's windows. "That's why it's so impossible to tell yet how much damage is done. You take that window there—we put that in for \$15e.

window there—we put that in for \$150. That'll give you an idea of what the whole mess means. Several hundred thousands of dollars is the nearest I can reckon the damage in downtown Manhattan.

"And then it may be three weeks be-"And then it may be three weeks before every broken window is repaired. We've got to look after the big ones first. There isn't enough plate glass on hand to meet this emergency, and besides that there is the labor; we haven't got enough glaziers to do a job as big as this."

In many loft fact ries breakable stocks

Were rilined as well as the mindel estocks.

Secretary Baker yesterday received as

In many loft fact ries breakable stocks were ruined as well as the windows. In some parts of Fourteenth street and Union Square there seemed to be evidences of a tornado's visit. Through the sounding canyons of Nassau and Pine sounding canyons of Nassau and Pine factory conditions.

Complaints have been received from between skyscrapers the crisp, metallic crackle of glass echoed all morning as the policemen and Street Cleaning Detailed explosions of munitions in what is sible explosions of munitions in what is knocked down the fragments of glass from windows or swept them up along the pavements.

There was one building at the Battery Allies are handled. and right in the northerly path of the concussion that escaped with only a few skylights broken. That was the Aqua-rium, which usually opens on Sunday at 9, but which was barred to visitors yes-terday until noon, for there was enough debris of glass to keep the employees ing than I've found in two months," said one of the men. "Only two were dead, so you see the explosion didn't have any effect on them."

At one point along the Battery wall,

where great crowds surged as if it were a holiday extraordinary and pedlers plied a busy trade with gay baubles and sweets, there was a man who had set up a telescope and who also had several field glasses through which anybody smoke were still rising ab ve the Black control he would be glad to call upon the the munition boats going off like they nishing shop in Greenwich street across shoved for a chance to buy a look. "First from the police station." come first served!" shouted the telescope

This was not far from the Harb r

Munition Barges Adrift.

Munition Barges Adrift.

After the worst of the explosions had

After the worst of the explosions had

Munition Barges Adrift.

No need for their services in the danger to haze floated in upon me. I thought the celling was coming through. But it was from the window instead. I looked out toward the bay. Against the back-named Towns, who lived with his wife ground of black smoke like a velvet curtain and the control of the contro across from the Greenwich street police

of boxing gloves, umbrellas and clothing had been stolen from his store. When the first blast shook Manhattan when the first blast shook Mannattan the police telephone system was put into immediate operation in an effort to locate the explesion and the operators were kept busy answering inquiries. More than 6,000 calls we're received between 2 and 3 A. M., and false alarms of fire from all parts of the city were sent in.

### SAYS HUGHES IS FOR ALLIES. Comtesse de Chambrun Praises Him in Paris Paper.

Special Cable Despatch to THE SUN. Paris, July 30.—The Comtesse de Chambrun, who was Miss Clara Long-worth, the sister of Nicholas Longworth. Later when curiosity overcame fear, as it always does, the throngs began moving downtown to get closer to the scene of the disaster. At 5 A. M. the 300 polymers of the disaster. At 5 A. M. the 300 polymers of the Presidency, with the in-

and comprehensive inquiry by one or another of the Government agencies hav-

Three departments of the Government are involved in regulation of the traffle as a result of which the accident ocas a result of which the accident oc-curred. The Department of Justice prob-

violation of the neutrality laws. hit; so were the Singer Building, the clock of which had stopped at 2:31 A. M., the time of the second big explosion; the Assay office, the Sub-Treasury, the Standard Oil, the First National Bank, the Stock Exchange the Stock Oueta.

It was stated by an official of the com-

Secretary Baker yesterday received a

Complaints have been received from

known as the "explosive anchorages" in the harbor.

The War Department has been giving special attention to providing additional safety for the three selected anchorages where munitions loaded on ships for the



No! we won't try to disguise the fact that lots of our men's suits now \$20 and \$25 were formerly higher-priced.

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Better commence now to break in your \*"Westpointer" shoes-modelled on the last approved for the West Point Cadets.

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Felt, Silk, Duck, Cloth, &c.